

A Brief Assessment of the Energy Sector of Bangladesh

Amam Hossain Bagdadee, Li Zhang College of Energy and Electrical Engineering, Hohai University, Nanjing, China

ABSTRACT

This paper gives a review of the energy sector of Bangladesh with the help of different data on the related electrical utility and its annual report. It is also tried to put some remarks on the crisis of the energy sector and a possible solution to rising above the electrical power crisis. Moreover, the master plan of the power sector discussed. The administration of the energy sector in Bangladesh has attempted a few undertakings to take care of this quickly developing requirement. New planning has been created to address the difficulties in the energy sector. These planning are also swiftly analyzed in this paper. These approaches will assume an essential part in the maintainable improvement of the nation.

KEYWORDS

Bangladesh, Electrical Power Demand, Electricity, Energy Sector, Master Plan

INTRODUCTION

Bangladesh has a populace of more than one hundred sixty million, one of the largest populous countries in the world (BPDB, 2016). Agribusiness used to be the essential wellspring of pay for the overall public of this country. In any case, the Gross Domestic Product (GDP) in Bangladesh was 7.15% percent in 2017. Bangladesh Bank guesses that in 2018 the monetary advancement will be over 7.50% (BPDB, 2017). Fast urbanization fueled by steady fiscal improvement has made a massive demand for electrical power. It is remarkable that Energy expects an essential component of poverty obliteration, financial development, sensible structure progression and security of any country. Bangladesh Government should ensure practical and ordinarily friendly wellspring of electrical Energy for the overall public. Regardless, since its freedom from Pakistan in 1971, the country has endeavored to create acceptable energy to deal with the demand (BPDB, 2018). The state-control utilities encounter the evil impacts of immense Energy insufficiencies. The constant supply of power and energy is essential for the advance of an economy. The importance of energy is even more supplementary in the context of Bangladesh; an emerging economy that has been experiencing rapid economic growth but also has been experiencing a prolonged period of energy crisis (Coady, El-Said, M., Gillingham, R., Kpodar, K., Medas, P. & Newhouse, D 2017).despite, the nation is still at a low level of charge. The Bangladesh government perceives that the pace of the improvement of energy must quicken to meet the Nation's collective financial advancement objectives and stay away from the looming energy deficiencies (International Monetary Fund (IMF) 2017). Bangladesh government has defined an object to convey the whole country to the electrical scope by the twenty-first century. To upgrade the situation, the Government has grasped an extensive Energy headway framework to explore supply-side choices nearby demand organization that proportions Energy and incapacitates inefficient use the fundamental convictions and change in the Electrical Power Sector of Bangladesh is cleared up here (IMF Bangladesh, 2016).

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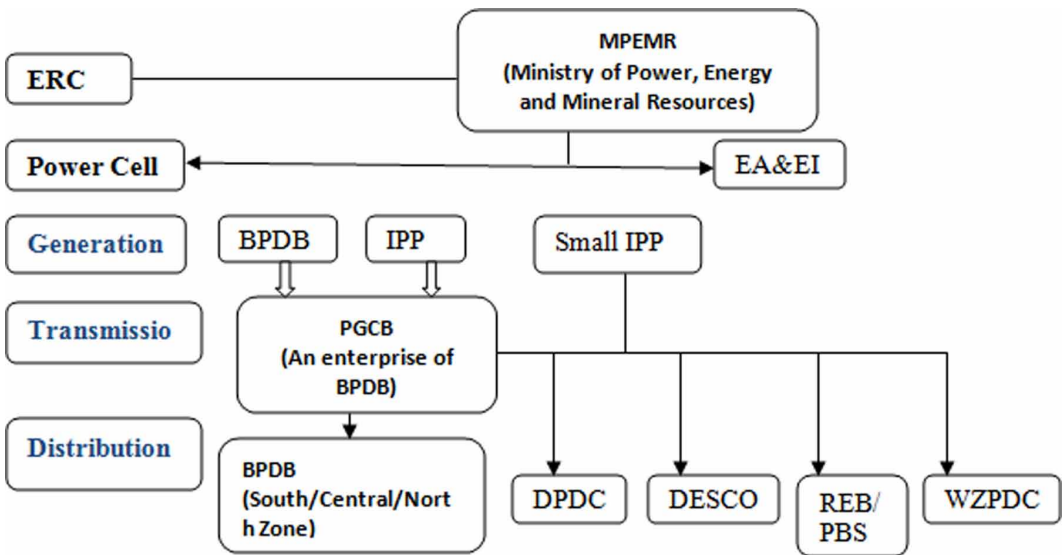
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POWER SECTOR

Figure 1 shows the overall power sector structure of Bangladesh. The sector can explain as follows:

1. Governing and regulatory bodies: Ministry of Power, Energy and Mineral Resource (MPEMR) is the principle administering body of the power sector [10]. Power Division was set up in 1998 under the Service of Power, Vitality and Mineral Assets and endowed with the obligation of general administration of the power sector in Bangladesh including all issues and arrangements identifying with the Power sector. MPEMR has made power Cell for Usage of Bangladesh power sector change exercises of the legislature of Bangladesh (Ministry of Finance, 2018). Energy Regulatory Commission (ERC) works with the issues of controls in power sectors. The workplace of the Electrical advisor (EA) and Chief Electrical Inspector (CEI) has been built up under area 111 of the Power Demonstration 1917 (BPDB, 2018). EA& CEI office plays out the capacities as indicated in the Power Demonstration, Power Run, Cinematograph Act to control and guarantee the security of lives and properties in the power sector (MoF, 2015).

Figure 1. Power sector structure of Bangladesh



2. Generation and Transmission authority: Bangladesh Power Development Board (BPDB), set up in 1972, is the master for orchestrating, improvement and operation of power generation and transmission workplaces all through Bangladesh and for dissemination in urban zones except for the metropolitan city of Dhaka and its flanking regions. REB (Rural Electrification Board) moreover makes a little section of the power. There is a different Autonomous Power producer who makes and pitches power to the BPDB. BPDB's retail bargain through claim distribution is speaking to around 32% of total retail contracts (Bangladesh Bureau of Statistics, 2016). Power Grid Company of Bangladesh (PGCB) developed under the Association's Show, 1994 is supplementary of BPDB. PGCB is in danger for the method the grid arrangement of the 230kV and 132kV structure (Bangladesh Bureau of Statistics 2017).

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